

BATES FILL & GRADE

A PORTION OF SECTION 34, TOWNSHIP 19, RANGE 5, W.M., PIERCE COUNTY, WASHINGTON

FILL & GRADE PLAN

GENERAL SITE INFORMATION

PARCEL #: 0519341042
 SITE ADDRESS: XXXX 213TH AVENUE CT E
 SITE AREA: 443,441 SF (10.18 ACRES)
 ZONING: RURAL 10

CIVIL ENGINEER

CONTOUR ENGINEERING LLC
 P.O. BOX 949 GIG HARBOR, WA 98335
 (253) 857-5454

GEOTECHNICAL ENGINEER

JECB
 P.O. BOX 832
 AUBURN, WA. 98071
 (253) 405-4654

OWNER

KEVIN BATES
 404 23RD AVE SE UNIT Q-2
 PUYALLUP, WA 98372
 (253) 213-2256

DESCRIPTION

SECTION 34 TOWNSHIP 19 RANGE 05 QUARTER 14 :
 L 3 LL #3165 EASE OF RECORD OUT OF 1-021 SEG
 M-3063 LP EMS

EARTHWORK QUANTITIES

TOTAL CUT = 17,950 C.Y.
 TOTAL FILL = 14,100 C.Y.
 NET = 3,850 C.Y. (CUT)

THIS CALCULATION IS FOR REVIEW AND PERMITTING PURPOSES ONLY. THE NUMBERS SHOWN ARE GENERATED FROM THE FINISHED GROUND SURFACE TO THE EXISTING GROUND SURFACE AS DETERMINED BY DESIGN DOCUMENTS AND FIELD SURVEY. CONTRACTOR SHALL DO THEIR OWN CALCULATION BASED ON THE INFORMATION PROVIDED WITHIN THESE PLANS. NO STRIPPINGS ARE ACCOUNTED FOR IN THIS CALCULATION.

NUMBERS MAY CHANGE AS PROJECT PROGRESSES THROUGH THE PERMITTING PROCESS

THE QUANTITIES MAY VARY BASED ON THE FOLLOWING FACTORS:

- SHRINK/SWELL OF EXISTING SOILS
- VARIANCE OF VEGETATION THICKNESS AND UNSUITABLE TOPSOIL
- SUBBASE REQUIREMENTS FOR THE BUILDING FOUNDATION BASED ON THE FINAL STRUCTURAL DESIGN
- PAVEMENT MATERIALS.
- TRENCHING EXCAVATION FOR PROPOSED UTILITIES
- ADDITIONAL CUT/FILL MAY BE REQUIRED FOR FUTURE UTILIZATION OF THE SITE

BALLARD RICHARD J
 PARCEL #0519352044

MITCHELL TIMOTHY A
 PARCEL #0519352045



VICINITY MAP

NOT TO SCALE

LEGEND

SURVEY	PROPOSED

TESC LEGEND

	CL CLEARING/GRADING/DISTURBED LIMITS 120,104 SQ. FT. (2.76 AC)
	CE CONSTRUCTION ENTRANCE
	PP PRESERVE AND PROTECT AS NOTED
	SW STRAW WATTLES

SHEET INDEX

C1	EXISTING CONDITION/TESC PLAN
C2	POND NOTES & DETAILS
C3	TESC NOTES & DETAILS

TOPOGRAPHY AND BOUNDARY NOTE

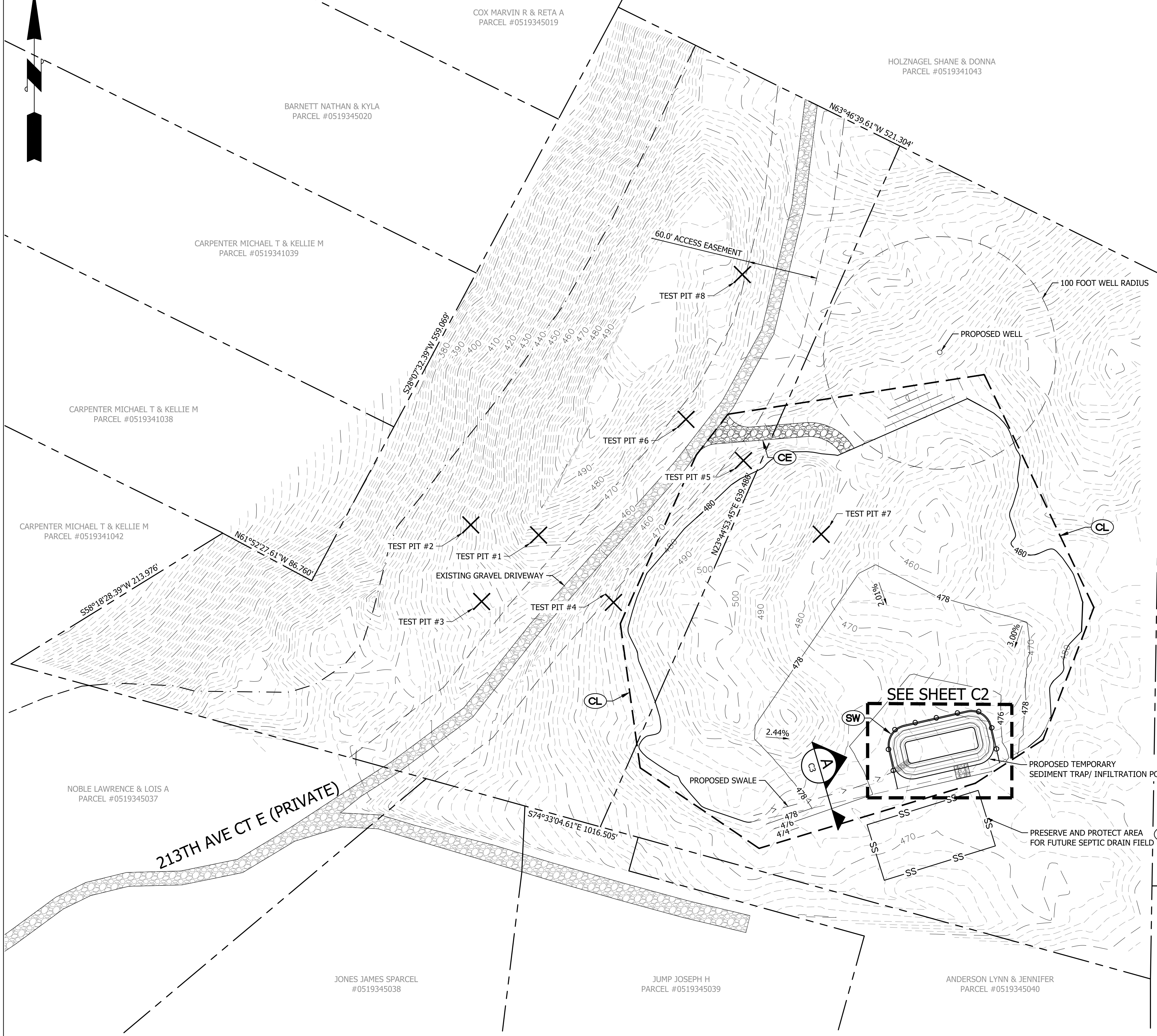
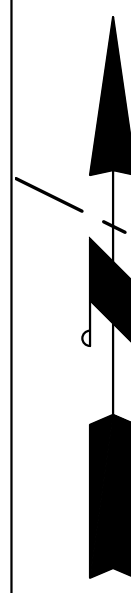
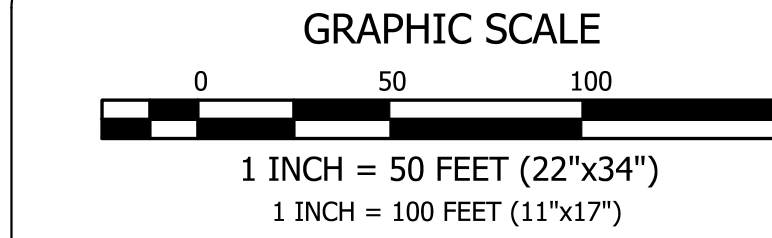
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VERIFICATION NOTE

ALL EXISTING UTILITIES IN THE CONSTRUCTION AREA SHALL BE IDENTIFIED AND VERIFIED FOR DEPTH AND LOCATION PRIOR TO ANY CONSTRUCTION ACTIVITIES SO TO IDENTIFY ANY POTENTIAL CONFLICTS WITH PROPOSED CONSTRUCTION. CONTACT PROJECT ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE IDENTIFIED.

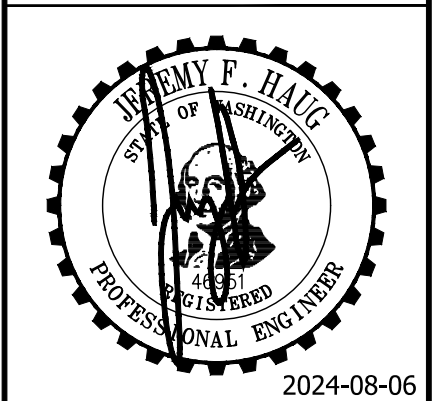
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**CALL 811 AT LEAST 48
HOURS BEFORE YOU DIG**



BY	DATE	DESCRIPTION	REVISION

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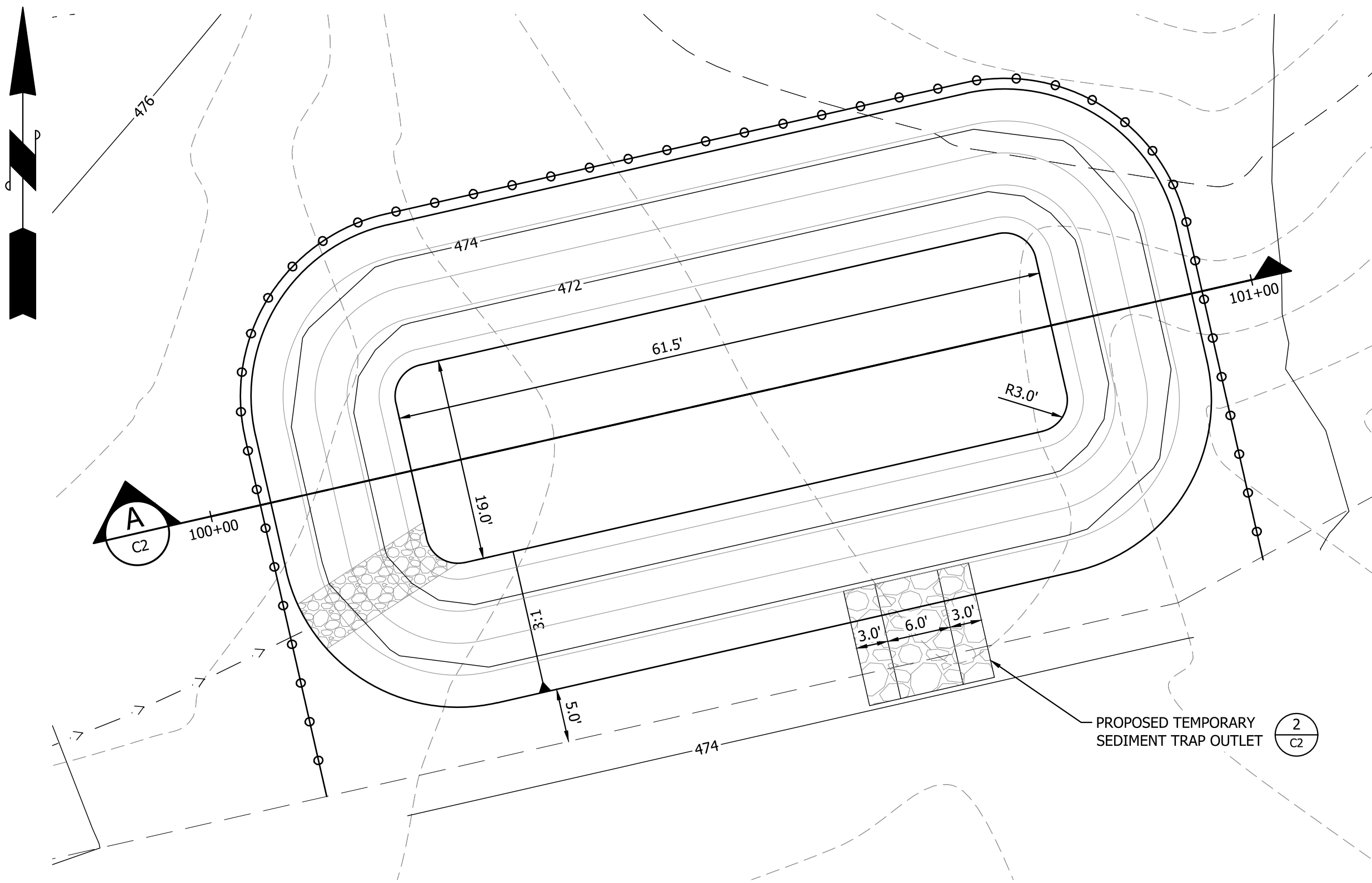
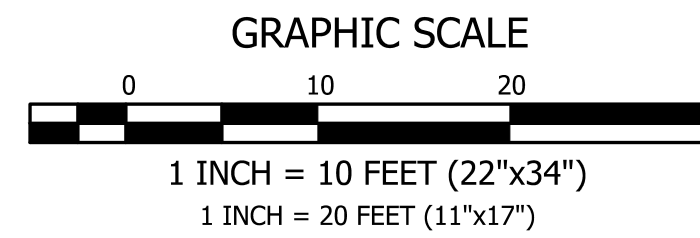
2024-08-06

SHEET TITLE: SITE & TESC PLAN	
CLIENT: KEVIN BATES 404 23RD AVE SE UNIT Q-2 PUYALLUP, WA 98372	PHONE: (253) 213-2256
CONTACT: KEVIN BATES	
DESIGNER: J. HAUG	ENGINEER: J. HAUG
DRAWN: C. JOST	DATE: 2024-08-06
PROJECT: 22-193	
DWG NAME: 22-193-C	
SHEET	REV.
C1	△
1 OF 3	

BATES FILL & GRADE

A PORTION OF SECTION 34, TOWNSHIP 19, RANGE 5, W.M., PIERCE COUNTY, WASHINGTON

POND NOTES & DETAILS



INFILTRATION POND NOTE

BOTTOM AREA PROVIDED = 1,161 SF
 VOLUME PROVIDED = 7,579 CF
 BOTTOM OF POND = 470.65
 TOP OF SEDIMENT STORAGE = 471.15
 TOP OF POND = 475.15
 DESIGN WS = 474.15
 OVERFLOW WS = 474.15
 SIDE SLOPE (H/V) = 3:1

CONTRACTOR NOTE

- COORDINATE WITH GEOTECHNICAL ENGINEER TO VERIFY INFILTRATION OF SOIL AFTER EXCAVATION OF THE POND.
- CONTRACTOR TO INSTALL FILTER FENCE AND STRAW WATTLES AS NEEDED TO PREVENT SEDIMENT FROM ENTERING THE POND AND LEAVING THE SITE.

TEST PIT INFORMATION

TEST PIT #1: 6 FOOT DEEP TEST PIT WITH 0.5' OF DUFF/TOPSOIL AND 5.5' OF SANDY GRAVEL WITH COBBLES AND SOME SILT. NO GROUNDWATER ENCOUNTERED.

TEST PIT #2: 5 FOOT DEEP TEST PIT WITH 0.5' OF DUFF/TOPSOIL AND 4.5' OF SANDY GRAVEL WITH COBBLES AND SOME SILT. NO GROUNDWATER ENCOUNTERED.

TEST PIT #3: 4 FOOT DEEP TEST PIT WITH 0.5' OF DUFF/TOPSOIL AND 3.5' OF SANDY GRAVEL WITH COBBLES AND SOME SILT. NO GROUNDWATER ENCOUNTERED.

TEST PIT #4: 4 FOOT DEEP TEST PIT WITH 2 FEET OF GRAVELLY SAND MEDIUM DENSE AND DRY. NO GROUNDWATER ENCOUNTERED.

TEST PIT #5: 3 FOOT DEEP TEST PIT WITH 0.5' OF DUFF/TOPSOIL AND 2.5' OF SANDY GRAVEL WITH COBBLES AND SOME SILT. NO GROUNDWATER ENCOUNTERED.

TEST PIT #6: 3 FOOT DEEP TEST PIT WITH 0.5' OF DUFF/TOPSOIL AND 2.5' OF SANDY GRAVEL WITH COBBLES AND SOME SILT. NO GROUNDWATER ENCOUNTERED.

TEST PIT #7: 7 FOOT DEEP TEST PIT WITH 0.5' OF DUFF/TOPSOIL, THAN 3.5' OF SANDY GRAVEL WITH COBBLES AND SOME SILT. NO GROUNDWATER ENCOUNTERED, THEN 3.5 FEET OF GRAVELLY SAND MEDIUM DENSE AND DRY.

TEST PIT #8: 6 FOOT DEEP TEST PIT WITH 0.5' OF DUFF/TOPSOIL AND 5.5' OF SANDY GRAVEL WITH COBBLES AND SOME SILT. NO GROUNDWATER ENCOUNTERED.

SEEDING NOTES

- SEED MIXTURE SHALL BE AS BELOW OR AS APPROVED BY THE COUNTY AND SHALL BE APPLIED AT THE RATE RECOMMENDED BY THE SUPPLIER

GERMINATION REDTOP	(AGROSTIS ALBA)	10%
ANNUAL RYE	(LOLIUM MULTIFLORUM)	40%
CHEWING FESCUE	(FESTUCA RUBRA COMMUTATA)	40%
WHITE DUTCH CLOVER	(TRIFOLIUM REPENS)	10%

- SEED BEDS PLANTED BETWEEN MAY 1 AND OCTOBER 31 WILL REQUIRE IRRIGATION AND OTHER MAINTENANCE AS NECESSARY TO FOSTER AND PROTECT THE ROOT STRUCTURE.
- FOR SEEDBEDS PLANTED BETWEEN OCTOBER 31 AND APRIL 30, ARMORING OF THE SEED BED WILL BE NECESSARY. (E.G., GEOTEXTILES, JUTE MAT, CLEAR PLASTIC COVERING).
- BEFORE SEEDING, INSTALL NEEDED SURFACE RUNOFF CONTROL MEASURES SUCH AS GRADIENT TERRACES, INTERCEPTOR DIKES, SWALES, LEVEL SPREADERS AND SEDIMENT BASINS.
- THE SEEDBED SHALL BE FIRM WITH A FAIRLY FINE SURFACE, FOLLOWING SURFACE ROUGHENING. PERFORM ALL OPERATIONS ACROSS OR AT RIGHT ANGLES TO THE SLOPE.
- FERTILIZERS ARE TO BE USED ACCORDING TO SUPPLIER'S RECOMMENDATIONS. AMOUNTS USED SHOULD BE MINIMIZED, ESPECIALLY ADJACENT TO WATER BODIES AND WETLANDS.

CONSTRUCTION SEQUENCE

- HOLD A PRE-CONSTRUCTION MEETING WITH THE COUNTY AND OBTAIN REQUIRED PERMITS. CONTRACTOR RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
- FIELD LOCATE, POTHOLE, AND VERIFY ALL EXISTING SERVICES AND UTILITIES WITHIN THE PROJECT AREA. SEE VERIFICATION NOTE. PROVIDE INFORMATION TO PROJECT ENGINEER.
- ESTABLISH CLEARING AND GRADING LIMITS.
- CONSTRUCT PERIMETER SILT FENCES, TREE PROTECTION FENCES, AND OTHER EROSION CONTROL MEASURES AS NEEDED.
- SCHEDULE CLEARING LIMITS, TREE PROTECTION AND EROSION CONTROL INSPECTIONS WITH THE COUNTY.
- CLEAR AND GRADE THE SITE, EXCAVATE TRENCH AREA TO BOTTOM OF POND DESIGN ELEVATION AND SCHEDULE GEOTECHNICAL ENGINEER TO PERFORM FALLING HEAD PERCOLATION TEST. COORDINATE AND PROVIDE DATE WITH PROJECT ENGINEER.
- STABILIZE ALL EXPOSED SOILS.
- ARRANGE FINAL INSPECTION WITH THE COUNTY.
- ON-SITE SILTATION FENCE TO REMAIN UNTIL THE SITE IS FULLY STABILIZED TO THE APPROVAL OF THE COUNTY INSPECTOR.
- REMOVE REMAINDER OF TESC MEASURES WHEN ALLOWED BY THE COUNTY INSPECTOR.

FILL SPECIFICATION

FILL MATERIAL SHALL NOT CONTAIN PETROLEUM PRODUCTS, OR SUBSTANCES WHICH ARE HAZARDOUS, DANGEROUS, TOXIC, OR WHICH OTHERWISE VIOLATE ANY STATE, FEDERAL, OR LOCAL LAW ORDINANCE, CODE, REGULATION, RULE, ORDER, OR STANDARD. ONLY EARTH MATERIAL SHALL BE PLACED IN FILLS.

TOPOGRAPHY AND BOUNDARY NOTE

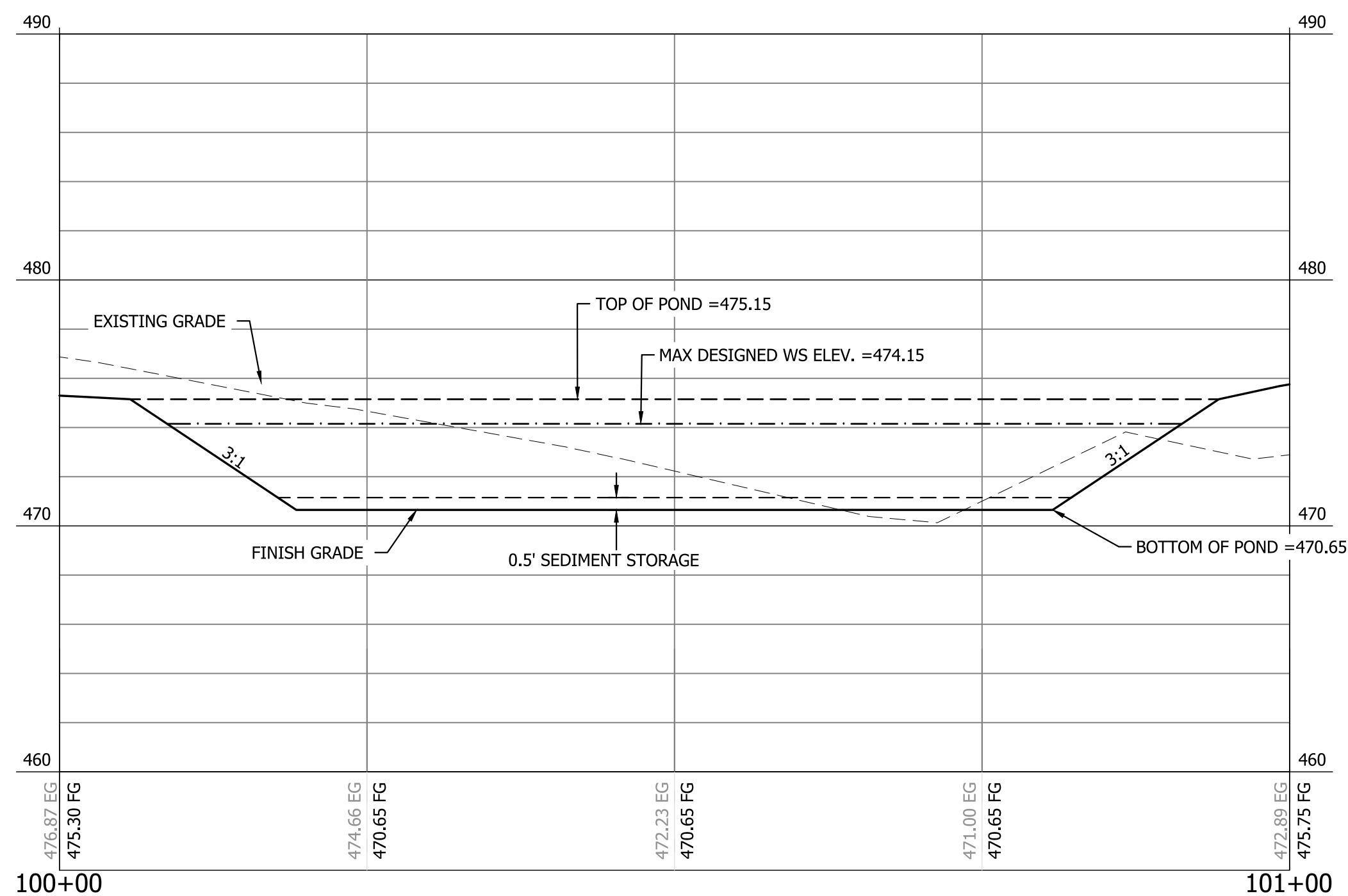
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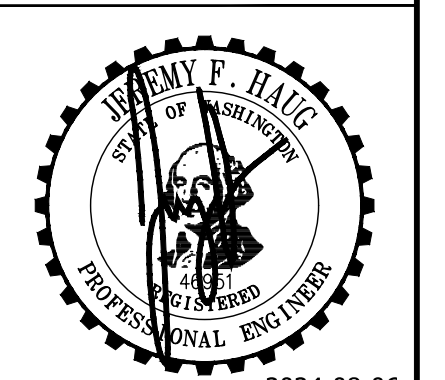
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POND CROSS-SECTION A
 HORIZONTAL SCALE: 1"=20'
 VERTICAL SCALE: 1"=10'

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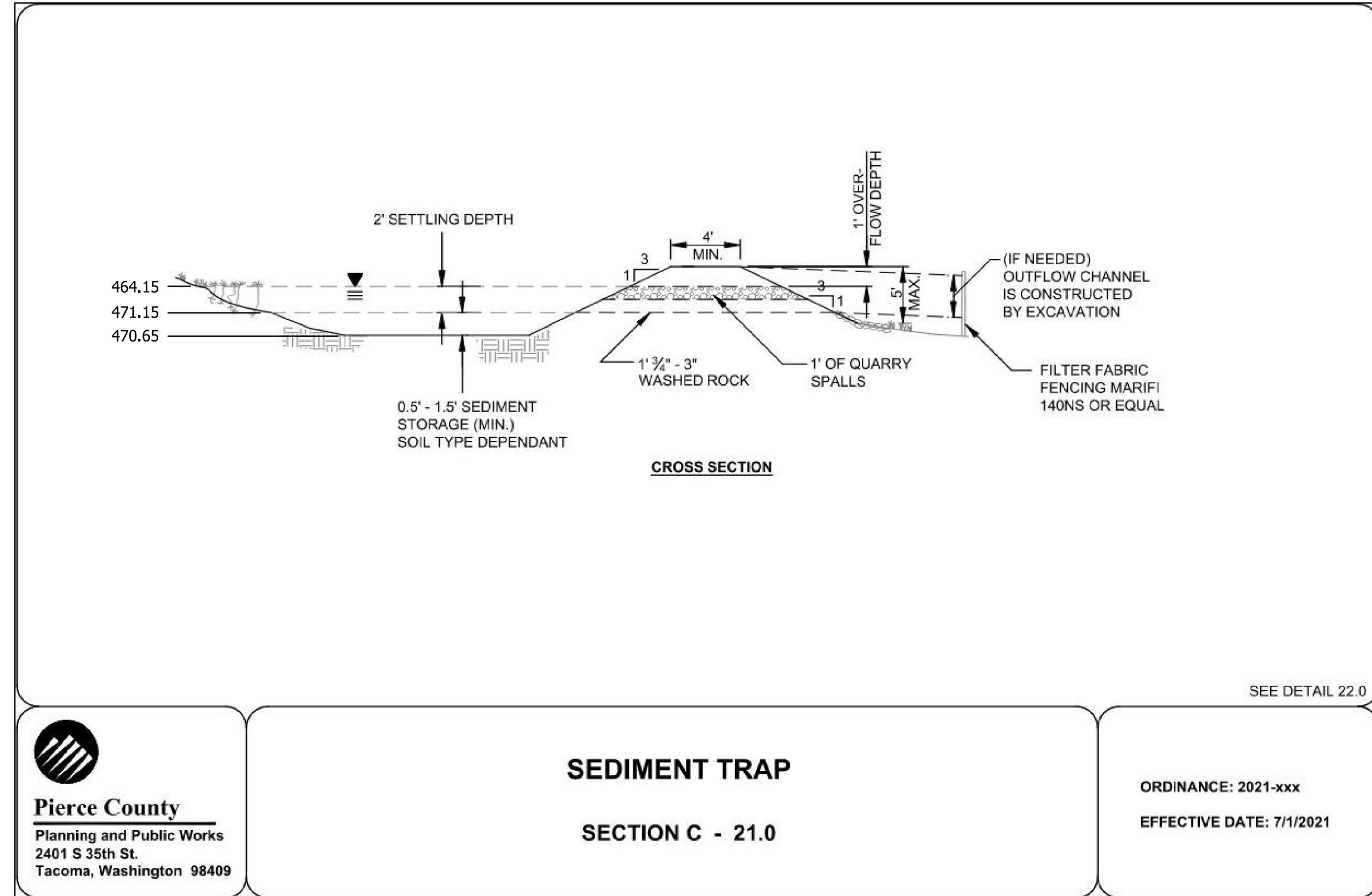
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DRAWN: C. JOST	S34 T19N R05E WM
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C2	△
2 OF 3	

BATES FILL & GRADE
A PORTION OF SECTION 34, TOWNSHIP 19, RANGE 5, W.M.,
PIERCE COUNTY, WASHINGTON
PRELIMINARY FILL & GRADE PLAN



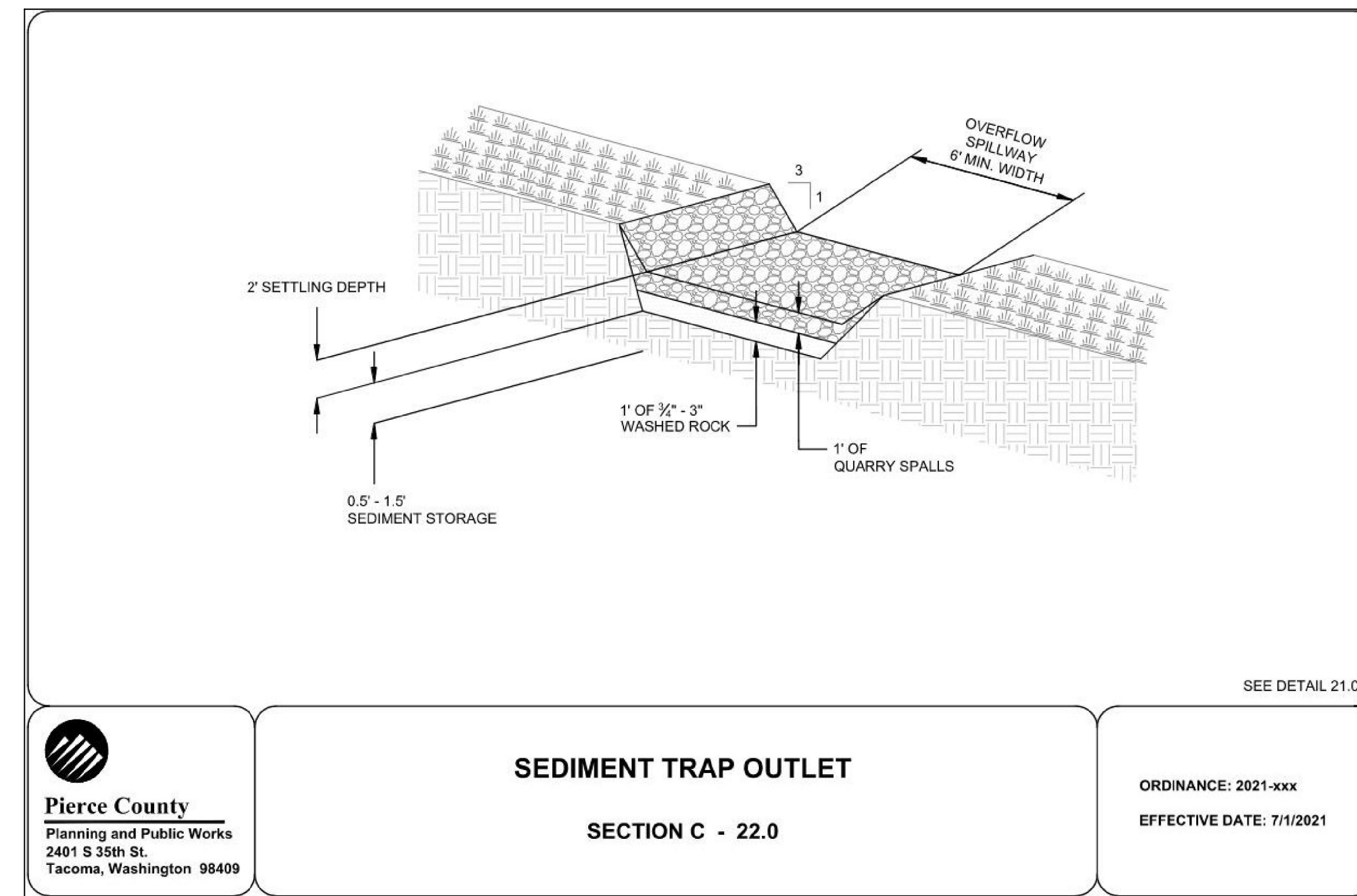
Pierce County
 Planning and Public Works
 2401 S 35th St.
 Tacoma, Washington 98409

SEDIMENT TRAP
 SECTION C - 21.0

ORDINANCE: 2021-xxx
 EFFECTIVE DATE: 7/1/2021

SEE DETAIL 22.0

1 TEMPORARY SEDIMENT TRAP
 NOT TO SCALE PC SWMM, SECTION C - 21.0



Pierce County
 Planning and Public Works
 2401 S 35th St.
 Tacoma, Washington 98409

SEDIMENT TRAP OUTLET
 SECTION C - 22.0

ORDINANCE: 2021-xxx
 EFFECTIVE DATE: 7/1/2021

SEE DETAIL 21.0

2 SEDIMENT TRAP OUTLET
 NOT TO SCALE PC SWMM, SECTION C - 22.0

PLASTIC COVERING NOTES

1. PLASTIC SHEETING SHALL HAVE A MINIMUM THICKNESS OF 6 MILS AND SHALL MEET THE REQUIREMENTS OF THE STATE STANDARD SPECIFICATIONS SECTION 9-14.5.
2. COVERING SHALL BE INSTALLED AND MAINTAINED TIGHTLY IN PLACE BY USING SANDBAGS OR TIRES ON ROPES WITH A MAXIMUM 10-FOOT GRID SPACING IN ALL DIRECTIONS. ALL SEAMS SHALL BE TAPED OR WEIGHTED DOWN FULL LENGTH AND THERE SHALL BE A LEAST A 12 INCH OVERLAP OF ALL SEAMS.
3. CLEAR PLASTIC COVERING SHALL BE INSTALLED IMMEDIATELY ON AREAS SEEDED BETWEEN NOVEMBER 1 AND MARCH 31 AND REMAIN UNTIL VEGETATION IS FIRMLY ESTABLISHED.
4. WHEN THE COVERING IS USED ON UN-SEEDED SLOPES, IT SHALL BE KEPT IN PLACE UNTIL THE NEXT SEEDING PERIOD.
5. PLASTIC COVERING SHEETS SHALL BE BURIED TWO FEET AT THE TOP OF SLOPES IN ORDER TO PREVENT SURFACE WATER FLOW BENEATH SHEETS. PROPER MAINTENANCE INCLUDES REGULAR CHECKS FOR RIPS AND DISLODGED ENDS.

MULCHING NOTES

1. MULCH MATERIALS USED SHALL BE STRAW OR HAY, AND SHALL BE APPLIED AT THE RATE OF 75-100 POUNDS PER 1000 SQ. FT. (APX 2" THICK).
2. MULCHES SHALL BE APPLIED IN ALL AREAS WITH EXPOSED SLOPES GREATER THAN 2:1.
3. MULCHING SHALL BE USED IMMEDIATELY AFTER SEEDING OR IN AREAS WHICH CANNOT BE SEEDED BECAUSE OF THE SEASON.
4. ALL AREAS NEEDING MULCH SHALL BE COVERED BY NOVEMBER 1.

SEEDING NOTES

1. SEED MIXTURE SHALL BE AS BELOW OR AS APPROVED BY THE COUNTY AND SHALL BE APPLIED AT THE RATE RECOMMENDED BY THE SUPPLIER

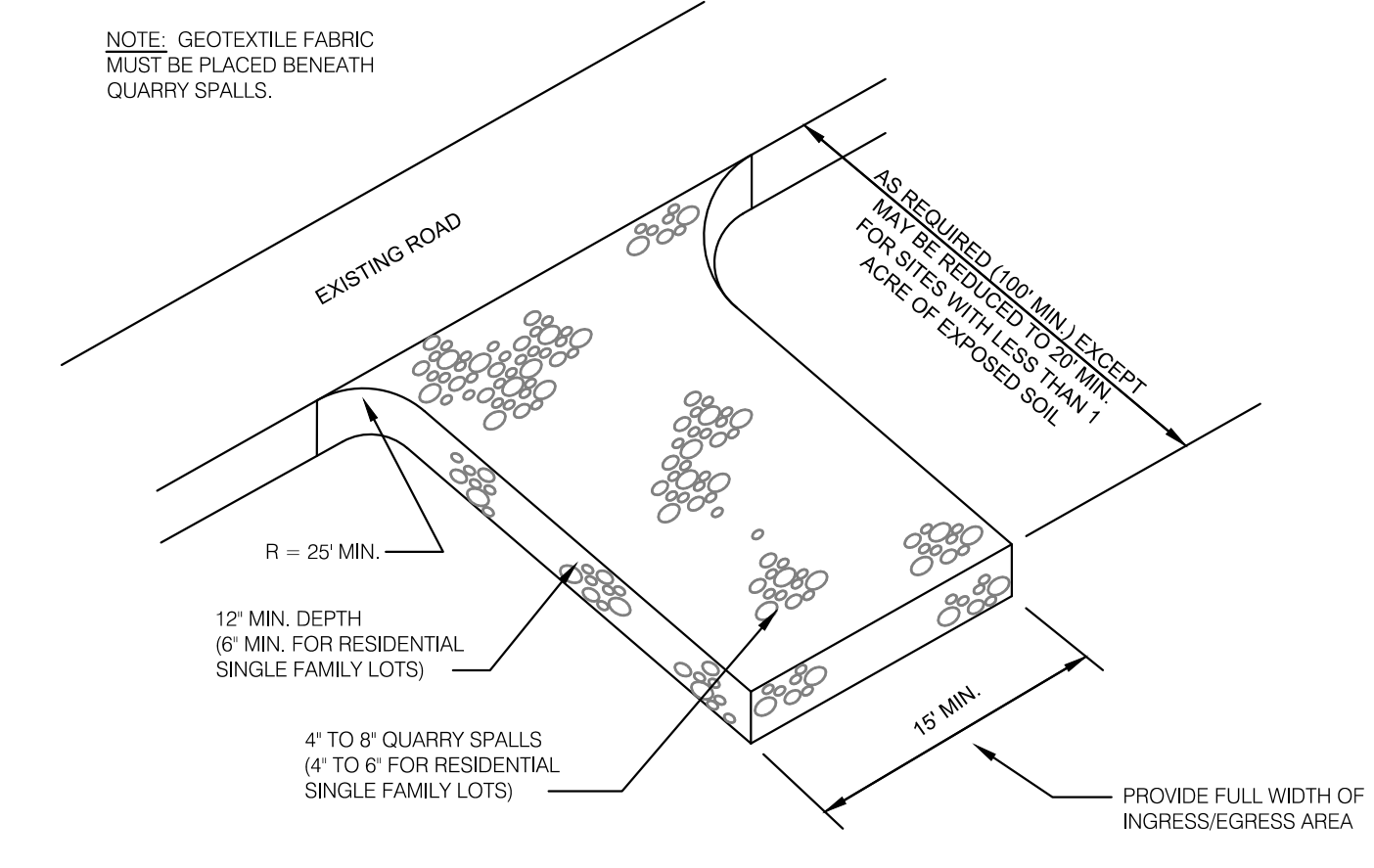
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2. SEED BEDS PLANTED BETWEEN MAY 1 AND OCTOBER 31 WILL REQUIRE IRRIGATION AND OTHER MAINTENANCE AS NECESSARY TO FOSTER AND PROTECT THE ROOT STRUCTURE.
3. FOR SEED BEDS PLANTED BETWEEN OCTOBER 31 AND APRIL 30, ARMORING OF THE SEED BED WILL BE NECESSARY. (E.G., GEOTEXTILES, JUTE MAT, CLEAR PLASTIC COVERING).
4. BEFORE SEEDING, INSTALL NEEDED SURFACE RUNOFF CONTROL MEASURES SUCH AS GRADIENT TERRACES, INTERCEPTOR DIKES, SWALES, LEVEL SPREADERS AND SEDIMENT BASINS.
5. THE SEEDBED SHALL BE FIRM WITH A FAIRLY FINE SURFACE, FOLLOWING SURFACE ROUGHENING. PERFORM ALL OPERATIONS ACROSS OR AT RIGHT ANGLES TO THE SLOPE.
6. FERTILIZERS ARE TO BE USED ACCORDING TO SUPPLIER'S RECOMMENDATIONS. AMOUNTS USED SHOULD BE MINIMIZED, ESPECIALLY ADJACENT TO WATER BODIES AND WETLANDS.

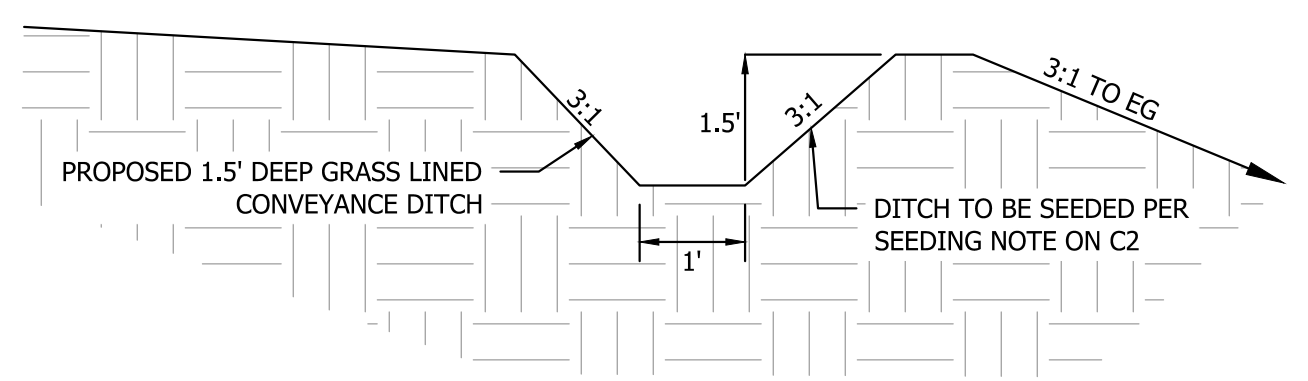
CONSTRUCTION ENTRANCE NOTES

1. MATERIAL SHALL BE 4" TO 8" QUARRY SPALLS (4 TO 6 INCH FOR RESIDENTIAL SINGLE FAMILY LOTS)
2. THE ROCK PAD SHALL BE AT LEAST 12" THICK AND 50' LONG(20 FEET FOR SITES LESS THAN 1 ACRE OF DISTURBED SOIL) WIDTH SHALL BE FULL WIDTH OF INGRESS AND EGRESS AREA. SMALLER PADS MAY BE APPROVED FOR SINGLE-FAMILY RESIDENTIAL AND COMMERCIAL SITES.
3. ADDITIONAL ROCK SHALL BE ADDED PERIODICALLY TO MAINTAIN FUNCTION OF THE PAD.
4. IF THE PAD DOES NOT ADEQUATELY REMOVE MUD FROM THE VEHICLE WHEELS, THE WHEELS SHALL BE HOSED OFF BEFORE THE VEHICLE ENTERS A PAVED STREET. THE WASHING SHALL BE DONE ON AN AREA COVERED WITH CRUSHED ROCK AND WASH WATER SHALL DRAIN TO A SEDIMENT RETENTION FACILITY OR THROUGH A SILT FENCE.

NOTE: GEOTEXTILE FABRIC MUST BE PLACED BENEATH QUARRY SPALLS.



3 CONSTRUCTION ENTRANCE
 NOT TO SCALE PC SWMM, SECTION C - 4.0



A DITCH CROSS SECTION
 NOT TO SCALE

SOIL AMENDMENT NOTE

ALL DISTURBED SOILS MUST BE AMENDED USING ONE OF THE FOLLOWING OPTIONS

OPTION 1 - AMEND EXISTING SOILS IN PLACE

SCARIFY OR TILL EXISTING SUBGRADE TO 4 INCHES DEPTH (OR TO DEPTH NEEDED TO ACHIEVE A TOTAL DEPTH OF 12 INCHES OF UNCOMPACTED SOIL AFTER CALCULATED AMOUNT OF AMENDMENT IS ADDED. SEE SPECIFIC SUBSECTIONS BELOW). ENTIRE SURFACE SHOULD BE DISTURBED BY SCARIFICATION. DO NOT SCARIFY WITHIN DRIP LINE OF EXISTING TREES TO BE RETAINED.

WITHIN STORMWATER DRAINAGE SYSTEM LOCATIONS OR LANDSCAPED AREAS (10 PERCENT ORGANIC CONTENT) - PLACE AND ROTOTILL 3 INCHES OF COMPOSTED MATERIAL INTO 5 INCHES OF SOIL (A TOTAL DEPTH OF ABOUT 9.5 INCHES, FOR A SETTLED DEPTH OF 8 INCHES). AS NOTED PREVIOUSLY, SUBSOILS BELOW THIS LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES, FOR A FINISHED MINIMUM DEPTH OF 12 INCHES OF UNCOMPACTED SOIL. RAKE BEDS TO SMOOTH AND REMOVE ROCKS LARGER THAN 2 INCHES DIAMETER. MULCH AREAS WITH 2 INCHES OF ORGANIC MULCH.

WITHIN LAWN AREAS (5 PERCENT ORGANIC CONTENT) - PLACE AND ROTOTILL 1.75 INCHES OF COMPOSTED MATERIAL INTO 6.25 INCHES OF SOIL (A TOTAL AMENDED DEPTH OF ABOUT 9.5 INCHES, FOR A SETTLED DEPTH OF 8 INCHES). AS NOTED PREVIOUSLY, SUBSOILS BELOW THIS LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES, FOR A FINISHED MINIMUM DEPTH OF 12 INCHES OF UNCOMPACTED SOIL. WATER OR ROLL TO COMPACT SOIL TO 85 PERCENT OF MAXIMUM. RAKE TO LEVEL, AND REMOVE SURFACE WOODY DEBRIS AND ROCKS LARGER THAN 1 INCH IN DIAMETER.

OPTION 2 - STOCKPILE SITE TOPSOILS PRIOR TO GRADING FOR APPLICATION

PLACE STOCKPILED TOPSOIL PRIOR TO PLANTING.

PLACE STOCKPILED TOPSOIL PRIOR TO PLANTING.

OPTION 3 - IMPORT TOPSOIL MEETING ORGANIC MATTER CONTENT STANDARDS

SCARIFY OR TILL SUBGRADE IN TWO DIRECTIONS TO 6 INCHES DEPTH. ENTIRE SURFACE SHOULD BE DISTURBED BY SCARIFICATION. DO NOT SCARIFY WITHIN DRIP LINE OF EXISTING TREES TO BE RETAINED.

WITHIN STORMWATER DRAINAGE SYSTEM LOCATIONS OR LANDSCAPED AREAS (10 PERCENT ORGANIC CONTENT) - USE IMPORTED TOPSOIL MIX CONTAINING 10 PERCENT ORGANIC MATTER (TYPICALLY AROUND 40 PERCENT COMPOST). SOIL PORTION MUST BE SAND OR SANDY LOAM AS DEFINED BY THE USDA. PLACE 3 INCHES OF IMPORTED TOPSOIL MIX ON SURFACE AND TILL INTO 2 INCHES OF SOIL. PLACE 3 INCHES OF TOPSOIL MIX ON THE SURFACE. RAKE SMOOTH AND REMOVE SURFACE ROCKS OVER 2 INCHES DIAMETER. MULCH PLANTING BEDS WITH 2 INCHES OF ORGANIC MULCH.

WITHIN LAWN AREAS (5 PERCENT ORGANIC CONTENT) - PLACE AND ROTOTILL 1.75 INCHES OF COMPOSTED MATERIAL INTO 6.25 INCHES OF REPLACED SOIL (A TOTAL AMENDED DEPTH OF ABOUT 9.5 INCHES, FOR A SETTLED DEPTH OF 8 INCHES). SUBSOILS BELOW THIS LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES, FOR A FINISHED MINIMUM DEPTH OF 12 INCHES OF UNCOMPACTED SOIL. WATER OR ROLL TO COMPACT SOIL TO 85 PERCENT OF MAXIMUM. RAKE TO LEVEL, AND REMOVE SURFACE WOODY DEBRIS AND ROCKS LARGER THAN 1 INCH IN DIAMETER.

WITHIN STORMWATER DRAINAGE SYSTEM LOCATIONS OR LANDSCAPED AREAS (10 PERCENT ORGANIC CONTENT) - USE IMPORTED TOPSOIL MIX CONTAINING 5 PERCENT ORGANIC MATTER (TYPICALLY AROUND 25 PERCENT COMPOST). SOIL PORTION MUST BE SAND OR SANDY LOAM AS DEFINED BY THE USDA. PLACE 3 INCHES OF IMPORTED TOPSOIL MIX ON SURFACE AND TILL INTO 2 INCHES OF SOIL. PLACE 3 INCHES OF TOPSOIL MIX ON THE SURFACE. RAKE SMOOTH AND REMOVE SURFACE ROCKS OVER 2 INCHES DIAMETER. MULCH PLANTING BEDS WITH 2 INCHES OF ORGANIC MULCH.

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BY					
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ENGINEERING • L.L.C.
 CIVIL ENGINEERS ~ SURVEYORS ~ LAND PLANNERS
 Phone: 253-857-5454 ~ Fax: 253-509-0044 ~ info@contourllc.com
 Mailing Address: P.O. Box 949, Gig Harbor, WA 98335
 Physical Address: 4706 97th Street NW, Suite 100, Gig Harbor, WA 98332

2024-08-06

PHONE: (253) 213-2256

DESIGNER: J. HAUG
ENGINEER: J. HAUG
DRAWN: C. JOST
 S34 T19N R05E WM
 DATE: 2024-08-06
 REVISED:

CLIENT: KEVIN BATES
 404 23RD AVE SE UNIT Q-2
 PUYALLUP, WA 98372

CONTACT: KEVIN BATES

PROJECT: 22-193
DWG NAME: 22-193-C

SHEET **REV.**

C3 **△**

3 OF 3